



Erosion and Sediment Control Plan Review Checklist

Project Name: STRINGTOWN Rd
CLARKS BURG, DE TE Engineer/Phone No. CPJ
Sediment Control Permit No : 206900 434-7000
SWM File No.: 1-95042 Assigned/Phone No. RJS
Plan Type: ? 240/777/6333

Legend:

✓ Complete
INC Incomplete/Incorrect
N/A Not Applicable
SC Sediment Control
SWM Stormwater Management
FPDP Floodplain District Permit
DA Drainage Area
SPA Special Protection Area

Submittal Date

10/28/02
2/13/03
4/9/03
7/11/03

Review Date

11/18/02
3/7/03
5/7/03

Initial

RJS
RJS
RJS

Design Acceptable Date

This checklist has been designed to provide specific instruction to engineers. All items are expected to be addressed in the first submittal. Failure to do so will result in less than a full first review. If any items marked with an asterisk (*) are not addressed, no further review of the first submittal will be made. The plan will be returned to the engineer for completion and will have to be resubmitted for a new first review. (Review fees already paid will be credited).

TO THE ENGINEER:

Your submission for Erosion and Sediment Control Plan approval has been reviewed. The review was made per the following checklist. **Please return the checklist and sediment control plan comment sheets with your resubmittal.** The second submission must include payment of the balance of the sediment control permit fee in order to be accepted for further review. If you do not address a checklist item, including comments on the sediment control plan sheets, explain your reasoning in your transmittal letter.

SUPPORTING INFORMATION

- * ✓ Transmittal specifically explaining the purpose of the submission.
- INC ✓ Completed Sediment Control/Stormwater Management Design Plan Information Form (IF-1).
- * INC INC INC Stormwater Management Requirements: MCDPS concept approval letter on plan.
- * INC ✓ Copy of the storm drain plans to be used by the storm drain contractor, to check consistency with the sediment control and stormwater management plans.

SEDIMENT CONTROL PLAN

- ☒ ☒ Scale (1" = 50' maximum), north arrow.
- * ☒ ☒ Existing and proposed topography (2' contour intervals maximum).
- INC ☐ No permanent cut or fill slope with gradient steeper than 3:1 is permitted in lawn maintenance areas. A slope gradient of up to 2:1 is permitted in low maintenance areas provided that those areas are indicated on the SC plan and specific low-maintenance ground cover is called for.
- INC ☒ Composite sheet for plans covering two or more separate sheets, showing schematic SC.
- ☒ Title Block: Legal subdivision and common name with lots/blocks, parcels, liber/folio, or other legal references; station numbers for road projects; indicate **grading only** or **streets only**, as applicable.
- ☒ 3" x 10" MCDPS Approval Block in the lower right-hand corner of all sheets.
- ☒ Owner/Permit Applicant name, address, phone number, and contact person on first sheet.
- ☒ Vicinity map with site outlined (1:2,000 scale) on first sheet.
- ☒ All sheets of final SC package numbered consecutively: Sheet # ___ of # ___.
- ☒ Sealed by P.E., L.S., or architect on the first page of the plans, with date and signature.
- ☒ Property lines and owner/legal description for adjacent properties.
- ☒ Match lines corresponding sheet to sheet.
- INC ☒ Certifications: Owner/Developer; Design; Cut/Fill/Disturbed Area. Include Stormwater Management Maintenance certification as appropriate. Plan revisions which increase the disturbed area require an updated Cut/Fill/Disturbed Area certification.
- INC INC ☒ Disturbed area outlined and labeled. All SC devices must be shown within the disturbed limits.
- ☒ Existing and proposed tree lines or individual trees labeled on all SC plan view sheets. Show Forest Conservation Easement and tree save areas per the approved Forest Conservation plan.
- * ☒ Existing and proposed drainage divides on SC plan view sheets.
- INC INC ☐ Offsite drainage area (acres) entering site on SC plan view sheets.
- INC INC ☒ Show and label existing and proposed improvements (utilities, streets, buildings, etc.) on SC plan view.
- ☒ Any designated wetlands (including 25-foot buffer) delineated on the SC plan view sheets.
- ☒ Copy of approved State Wetlands permit. Indicate if not applicable _____.
- ☒ 100-year floodplain and 25-foot BRL delineated on SC plan view sheets for any drainageway with >30 acre drainage area. No disturbance or structures permitted in this floodplain without MCDPS Floodplain District Permit (FPDP).
- INC ☐ Approved MCDPS Floodplain District Permit, if applicable. Also if applicable, need State Waterway Construction Permit prior to FPDP issuance. **NOTE:** SC plans may be approved, but no permit will be issued until FPDP is issued.
- ☒ "Related Required Permits" table completed and placed on the first SC plan sheet.
- INC INC INC Label all SC devices.

102 102 Sediment trap(s): need safety fence; inflow point protection (PSD's required for drainage areas >3 acres); proper outlet location (maximizing flow length from inflow points); dewatering as necessary (include MCDPS dewatering device detail); and baffles (required for drainage areas >3 acres: include MCDPS baffle detail). Provide trap data information on the SC plan sheet as follows: trap type; existing DA; developed DA; storage required; storage provided; weir crest elevation; storage depth; bottom dimensions; cleanout elevation; channel depth of flow; maximum sideslopes (specify cut and/or fill); bottom elevation; embankment elevation; riser dimensions; barrel dimensions. Pipe outlet traps require separate dewatering device. Stone Outlet Sediment Traps (ST-II, ST-IV) are not allowed in Montgomery County.

3 — Sediment basin(s): include sediment basin design and construction information as required by "Maryland State Standards and Specifications"; Low Hazard Class assured; barrel outfall cross-section; MCDPS CMP band and dewatering device detail; inflow point protection; safety fence. Show baffles as necessary. Show and address construction access and stockpiling on the SC plan and address sediment control during basin installation. Limit initial disturbance to installation of the principle spillway. If there is a baseflow, provide a clean water diversion; if there is no base flow, provide diversion dikes above the disturbed area.

✓ — No SC devices are to be located within 20 feet of building foundations.

— — Protection of interior tree save and undisturbed areas shown on plans.

102 102 ? Temporary storm drain diversion: detail in Sequence of Construction, show profile, give invert elevations of temporary pipe into trap on plan view, profile, and details; and show the diversion on the storm drain plan.

*102 102 102 Sequence of Construction: use MCDPS Standard Sequence [Forest Conservation Law (FCL) and Non-FCL] and expand to fit the specific needs of each site.

— — Standard Sediment Control Notes including **MISS UTILITY** note.

102 102 — Standard details for SC devices.

102 102 — Offsite grading requires documentation of permission from owner (letter of permission on plan or grading easement document submitted).

? — Any work on MNCPPC property must have Parks Engineer approval.

102 102 ? Adequate access, staging, and stockpile areas shown on the plan with appropriate sediment control for each.

✓ — Note on first plan sheet that "All disturbed areas must be topsoiled per the Montgomery County "Standards and Specifications for Topsoil". Specifications must be on the plans.

STORM DRAIN SYSTEM (Show items on SC plan).

102 102 Plan view of storm drain system with topography to 100-feet below each outfall, showing dimensions, Q_{10} , V_{10} , d_{50} , and MSHA class.

+ + All outfalls must release runoff to an existing system, adequate receiving channel, or slope $\leq 2\%$. Provide profiles of outfalls showing rip-rap slope, length, d_{50} , MSHA class, and V_{10} at pipe outfall.

+ + Provide outfall cross-section detail(s) with the following information specific to each outfall: shape conforming to receiving channel; outfall dimensions, rip-rap size (d_{50}) and MSHA class; embedded depth ($2.0 \times d_{50}$); and filter cloth underneath.

CHANGE OF OWNERSHIP

- ☒ — — Sediment control maintenance agreement completed and a copy placed on the SC plan.
- ☒ — — All areas pertaining to new ownership clearly identified on plan.
- ☒ — — Title blocks reflect revised legal description.

MISCELLANEOUS

- ☒ — — Safe conveyance to previously approved central/regional facility, if applicable.
- ☒ — — Site in conformance with preliminary plan and/or site plan requirements and forest conservation plan. Copy of approved preliminary plan, site plan with opinion, and forest conservation plan or exemption letter must be received prior to plan approval.
- ☒ — — NA Stormwater management waiver fee: Submit a plan showing the waived area(s), and give the percent impervious and total waiver area in acres (if not using pre-set fees for single family zones).
- ☒ NA ? For SPA sites, monitoring fee paid. NOTE: Fee must be paid prior to plan approval.
- ☒ NA — — For SPA sites, a place copy of the SPA notice on the first plan sheet.

ADDITIONAL REQUIREMENTS:

11/18/02 PLAN DOES NOT PROPER ADDRESS
QL OR SC, R12

COMMENTS:

3/7/03 SEE PLAN FOR ALL COMMENTS & NOTES.
NEED SPA MONITORING FEES

5/7/03 SEE PLAN R12